

--ABSTRACT OF THE DISCLOSURE

The invention relates to a membrane filter unit for liquid or gaseous media, comprising a bundle of capillary membranes which are open on at least one front surface side and which are cast in an area which is close to the end of the open membrane ends, in a sealing layer forming a hardened head part. The open membrane ends protrude on the outer side of the sealing layer. The sealing layer is arranged on a spacer element which has a layer which is penetrated by the capillary membranes and which is non-permeable in relation to the casting material which hardens in order to form the sealing layer. the invention also relates to a method for the production of a membrane filter unit.--